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# Multi Country Support Programme to Strengthen Climate Information Systems in Africa

- How the Global Climate Observing System  
supports user-driven climate services -

Carolyn Richter, Director, GCOS Secretariat, WMO

13 April 2014, Addis Ababa



# Climate Services

## Agriculture and Farming



## Water



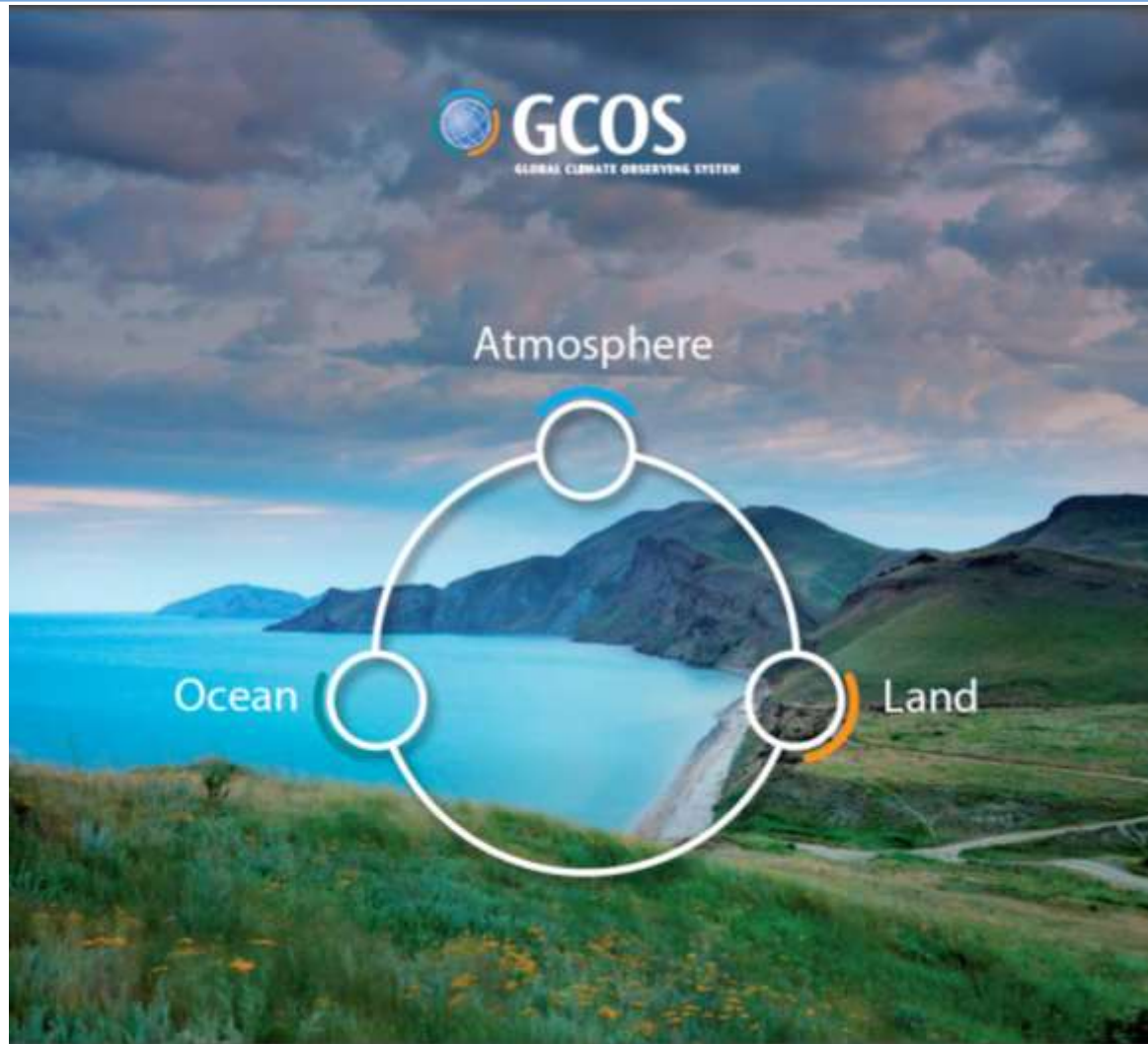
## Energy



**“Water, Food and Energy” – this is the African Mantra, said Prof Richard Samson Odingo (University of Nairobi) at a meeting of the African Climate Policy Centre in 2011**



# Ensuring the availability of global observations for climate



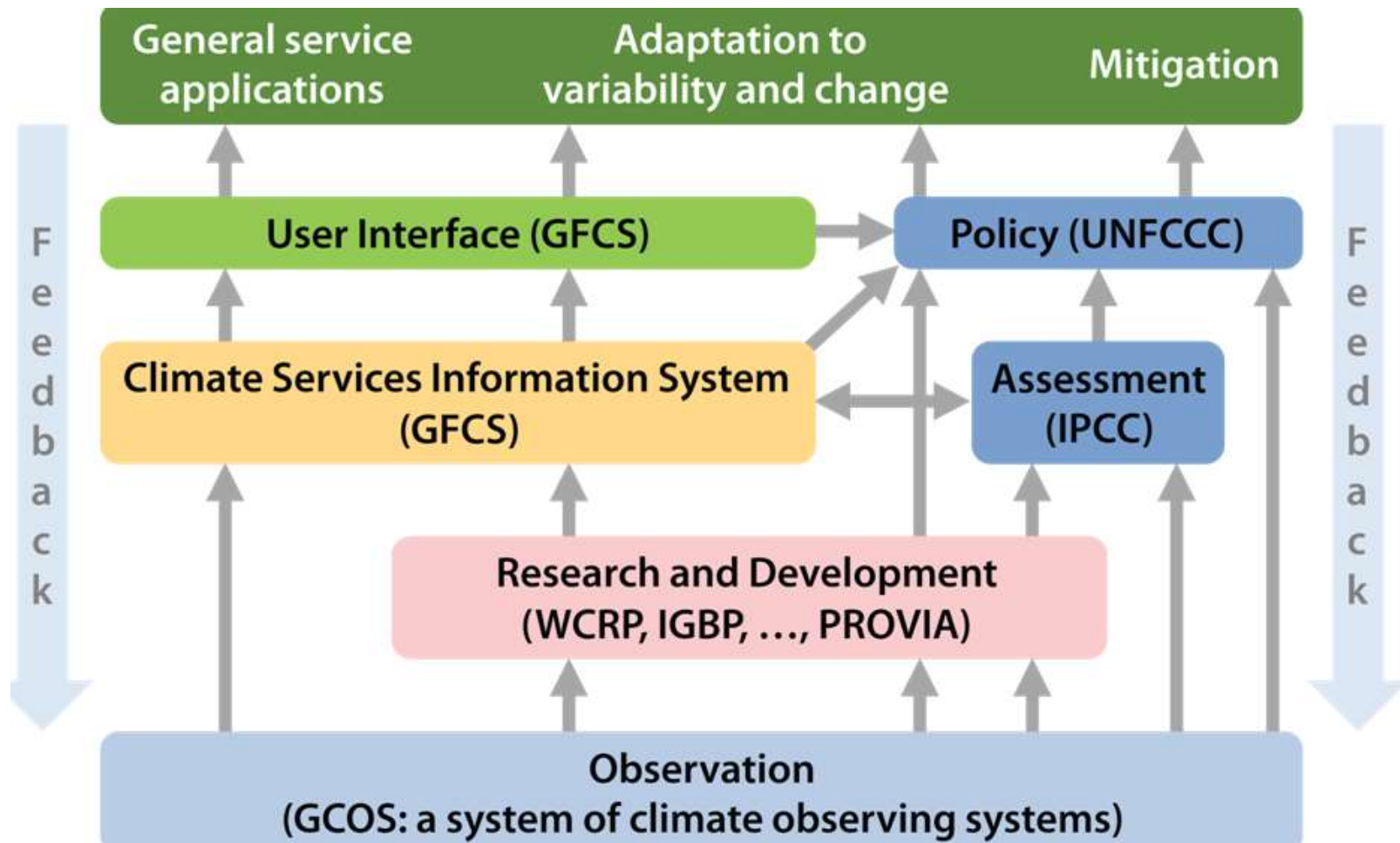
## GCOS assesses progress and requirements, advises on implementation

- report and plan to be submitted to sponsors and UNFCCC in 2015/16

## GCOS provides assistance with implementation of infrastructure



# Global Framework for Climate Services



# AMCOMET – a regional framework

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## AMCOMET – African Ministerial Conference on Meteorology (next meeting in Oct 2014)

an initiative by the African Union and World Meteorological Organization

Implementation of GFCS in Africa:  
[www.wmo.int/amcomet](http://www.wmo.int/amcomet)



# Cross-cutting Issues and Sectors

## Cross-cutting issues:

- Risk Management
- Early Warning Systems
- Research, Modeling and Assessment
- Data Rescue and Management

## Sectors:

- Water Resources
- Coastal Zones
- Health
- Forestry
- Agriculture
- Energy
- Transport

# Global Observing Systems for Climate

[gcos.wmo.int](http://gcos.wmo.int)





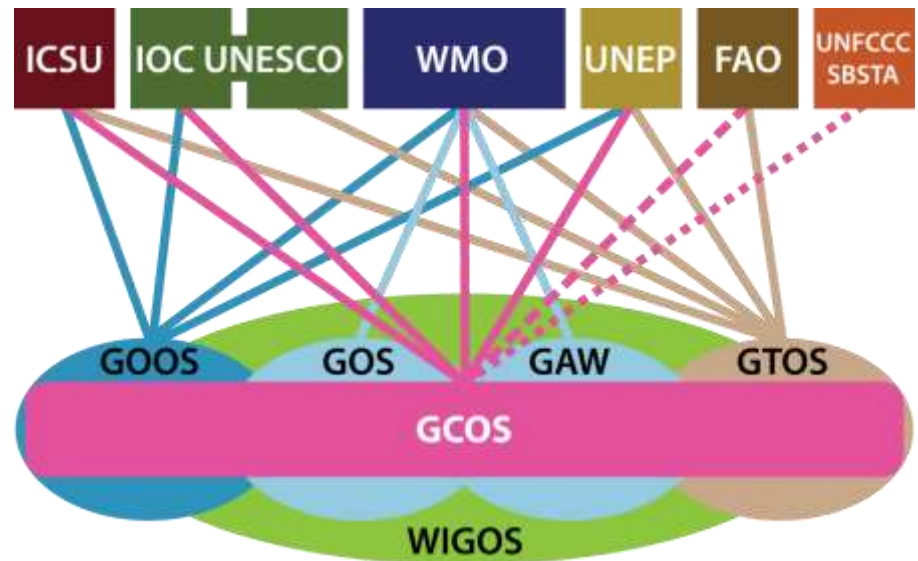
# Final Remark is a simple Equation

Knowledge + Action = Power

# Design concept & scope of GCOS

*GCOS assesses progress and requirements, **advises** on implementation, and **reports** to UNFCCC on the status of observing systems for climate.*

***GCOS Cooperation Mechanism** provides assistance with implementation of infrastructure.*



**GCOS was set up to help ensure that observational needs are met for:**

- monitoring
- research
- applications

**GCOS now provides the organisational basis for the service element.**



# Observation Requirements

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## Common themes regarding observation requirements:

- Need for higher spatial and temporal resolution;
- Need to focus on regions where climate change will have significant sector effects and where there are vulnerable populations;
- Need to develop infrastructure and governance to support sustained data rescue;
- Need to support research initiatives such as PROVIA and Future Earth.